

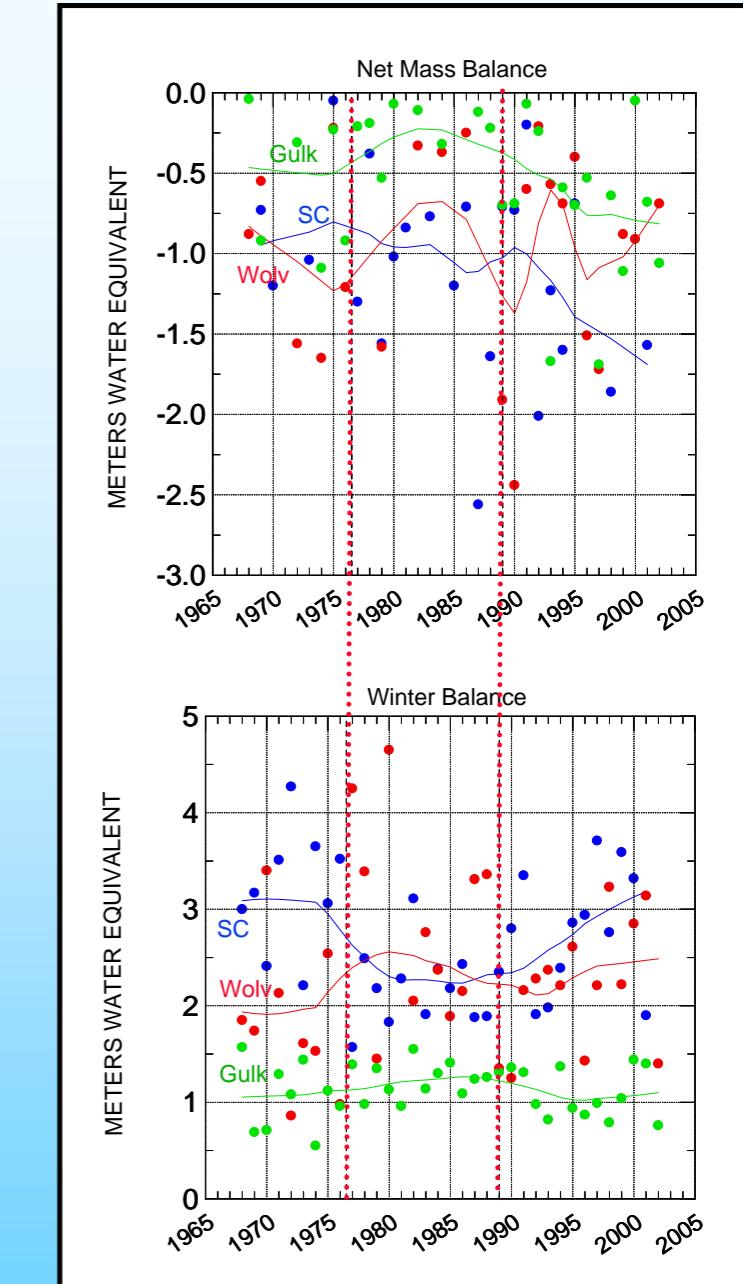
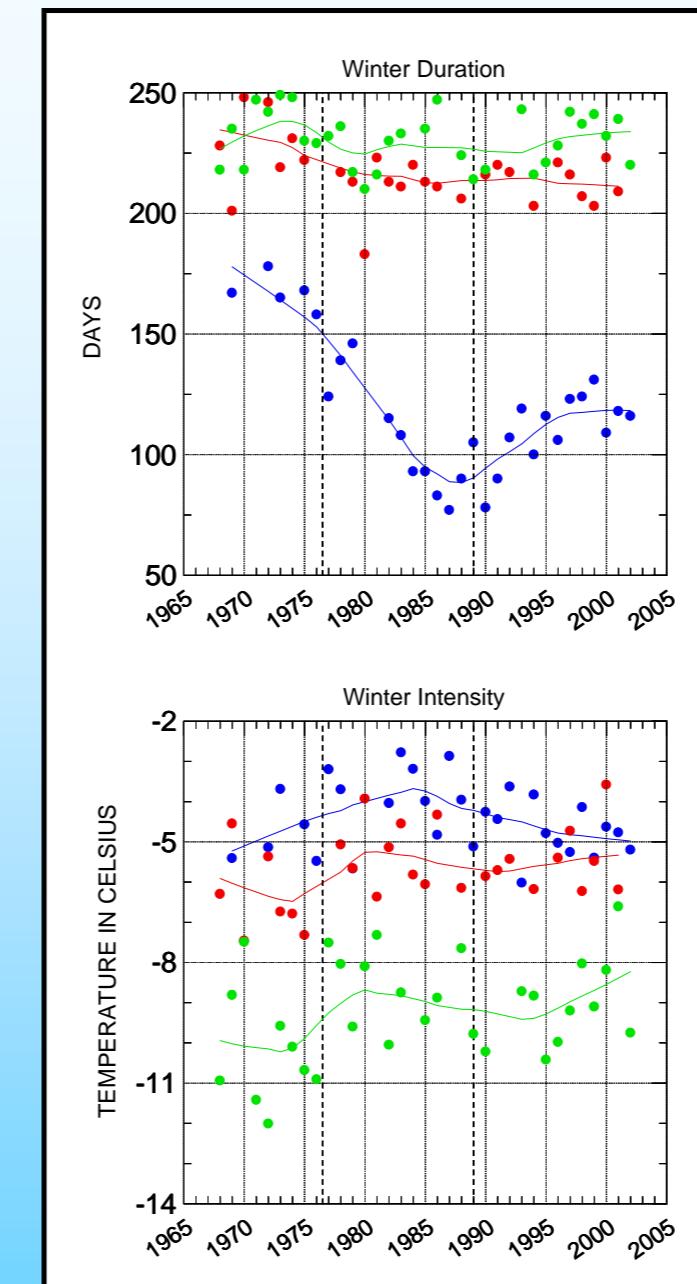
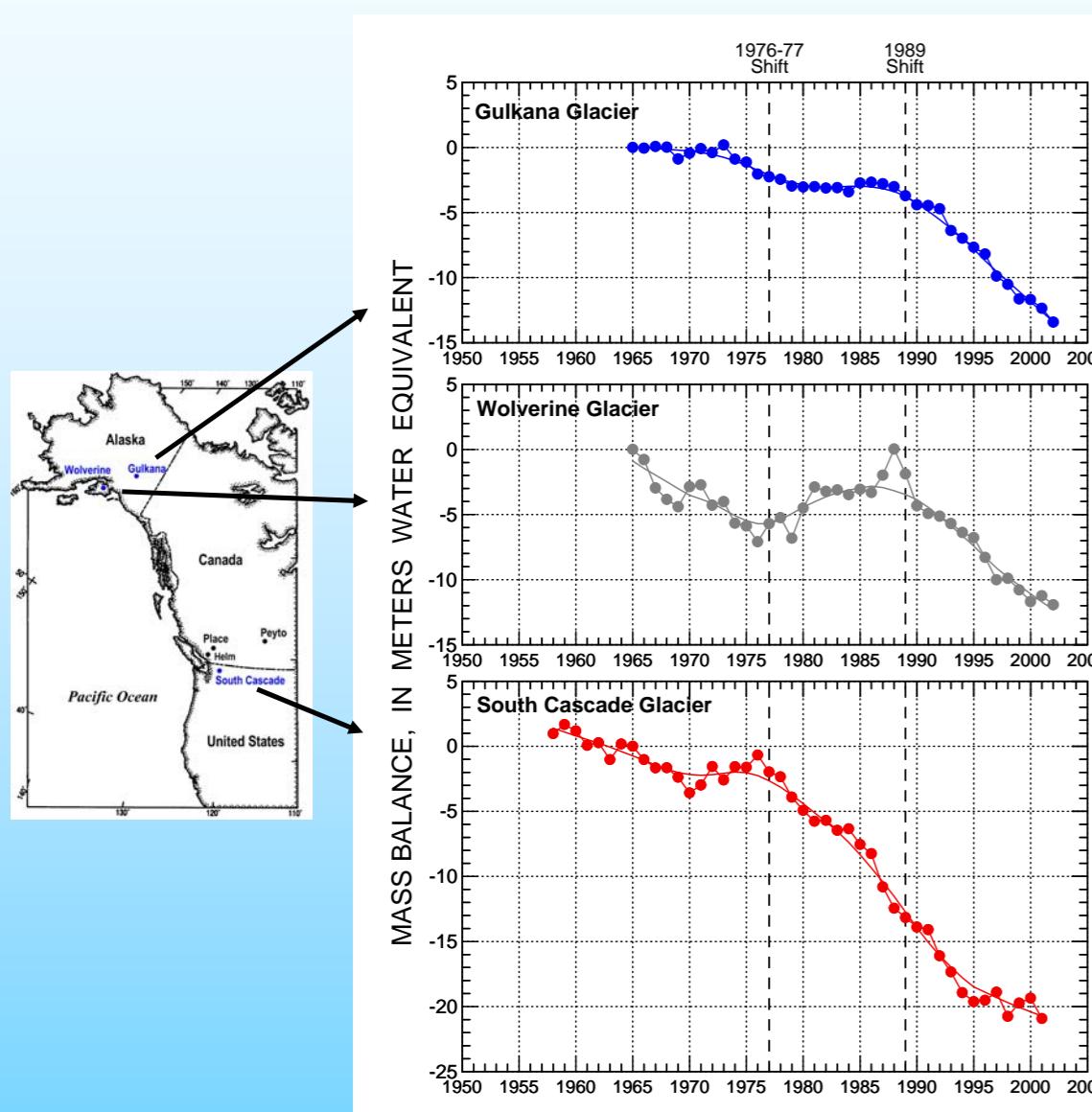
# Measured Climate Induced Volume Changes of Three Glaciers and Current Glacier-Climate Response Prediction

by

D.C. Trabant, R.S. March, L. H. Cox, W.D Harrison, and E.G. Josberger

U.S. Geological Survey and University of Alaska

## Gulkana, Wolverine, and South Cascade Glaciers Cumulative Net Mass Balance



## NCEP Reanalysis data Correlations

	Summer		Winter			
	850 mb	MJJAS Temp	ONDJFMA Temp	MJJAS Rel Humid.	Directional Winds	Combined
vs.	Summer Balance	Winter Balance	Winter Balance	Winter Balance	Winter Balance	Fav. Wind and RH
<b>Gulkana</b>	<b>-0.64</b>	<b>0.00</b>	<b>0.18</b>	<b>easterly - 0.26</b>	<b>0.26</b>	
<b>Wolverine</b>	<b>-0.64</b>	<b>0.59</b>	<b>0.60</b>	<b>northerly 0.67</b>	<b>0.70</b>	
<b>South Cascade</b>	<b>-0.81</b>	<b>-0.64</b>	<b>0.66</b>	<b>easterly 0.80</b>	<b>0.80</b>	

